# Universidad Politécnica Salesiana

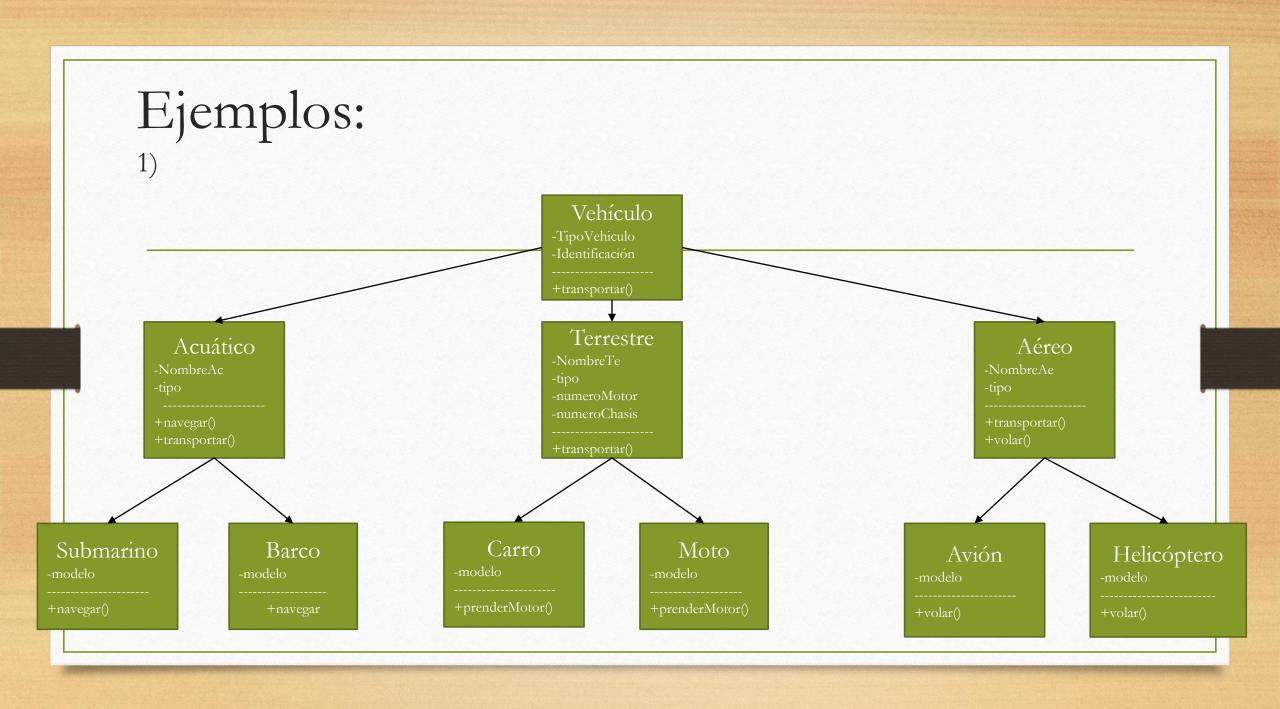
Juan Sebastián Andrade

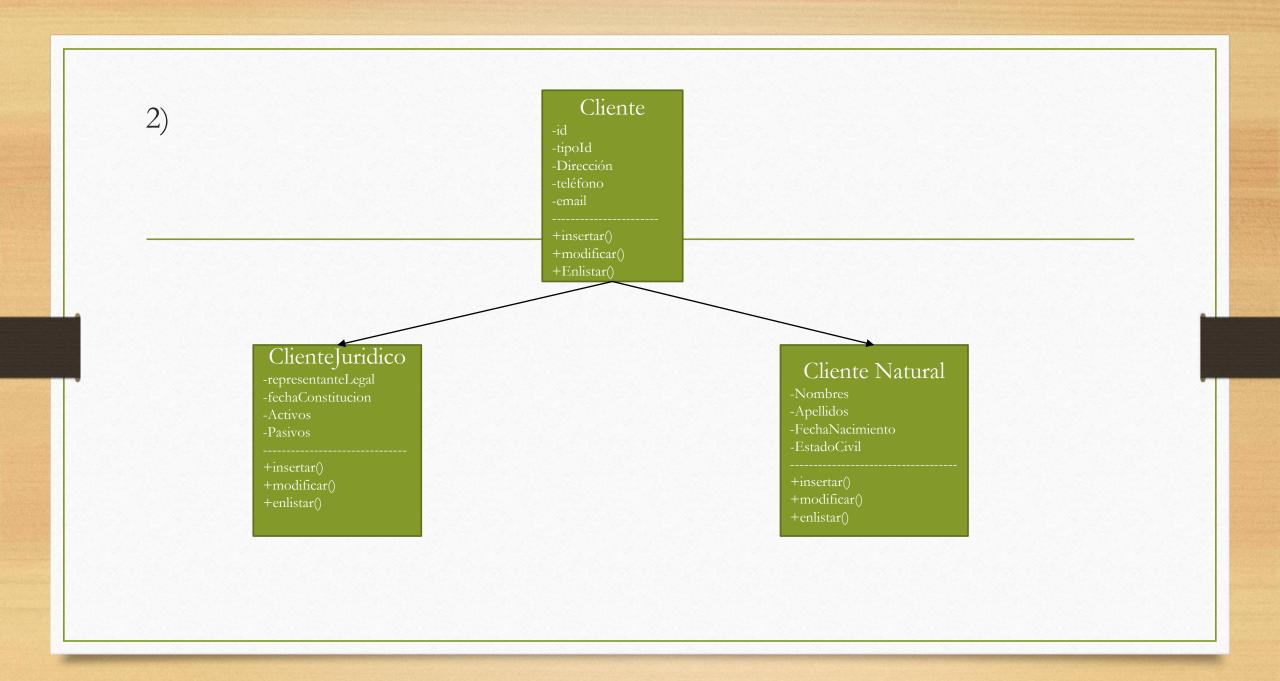
Computación

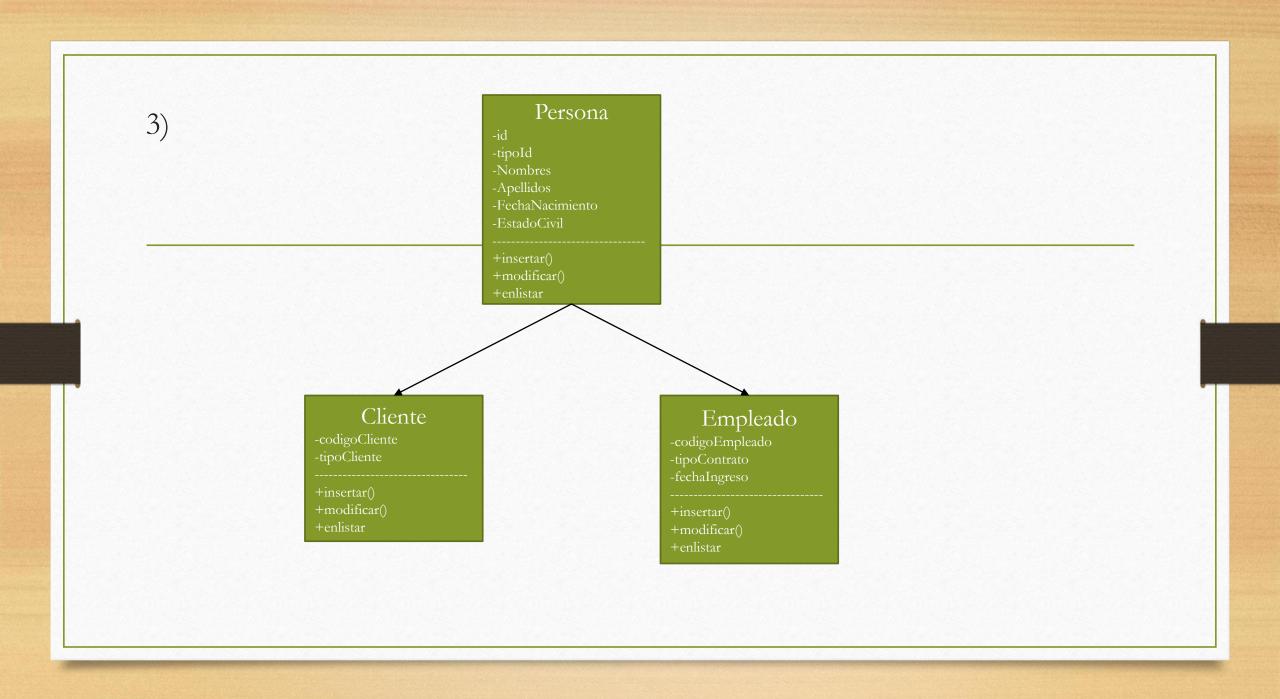
2021-2021

#### Herencia

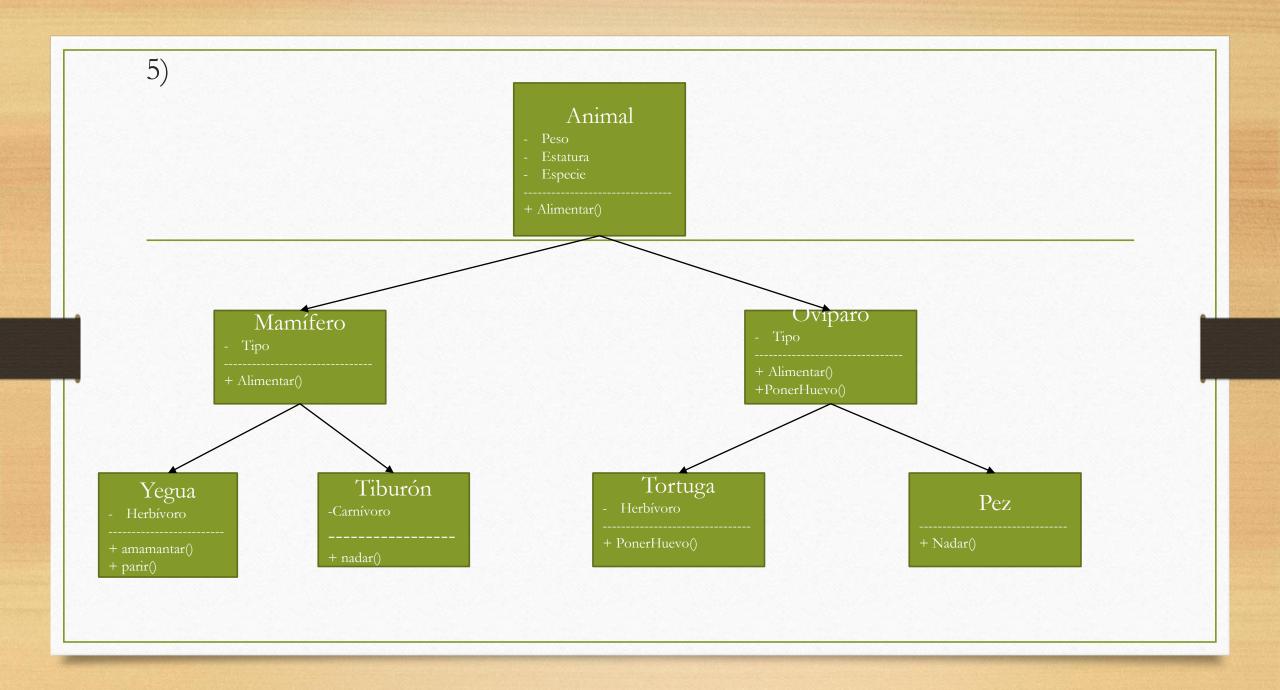
• La herencia es un método que nos permite definir nuevas clases basadas de una clase ya existente. Esta hereda sus atributos y métodos, además se pueden agregar nuevos métodos y nuevos atributos.

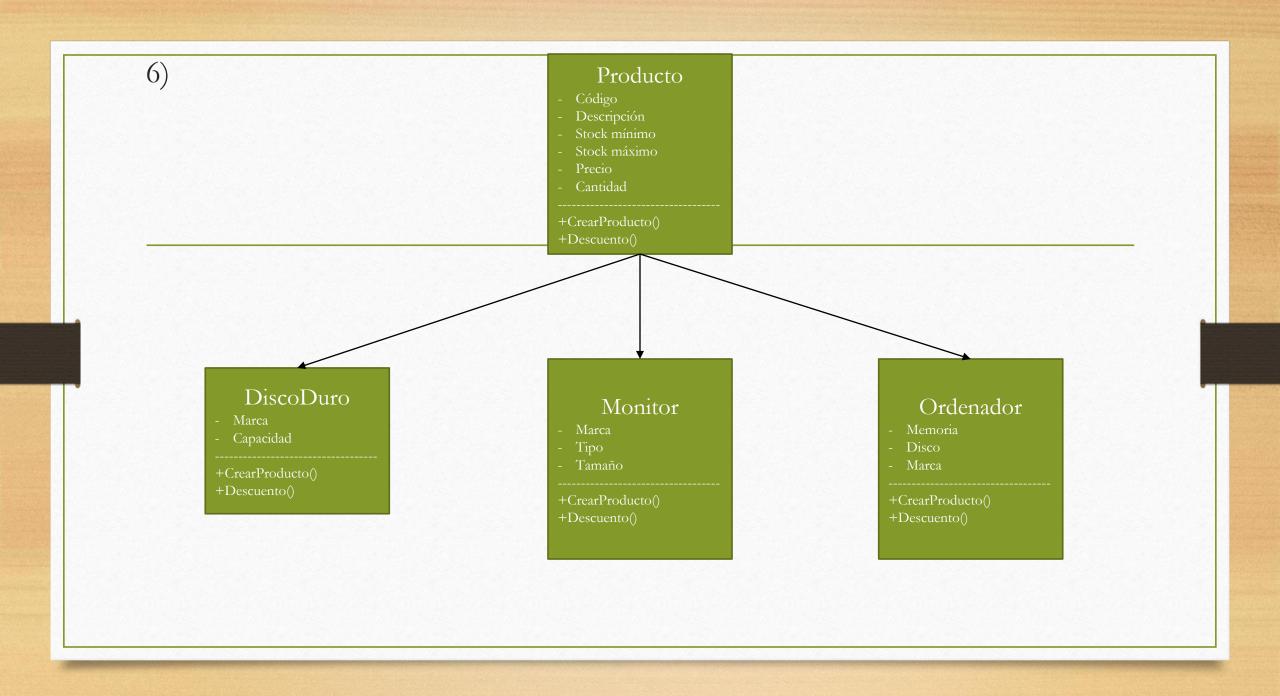


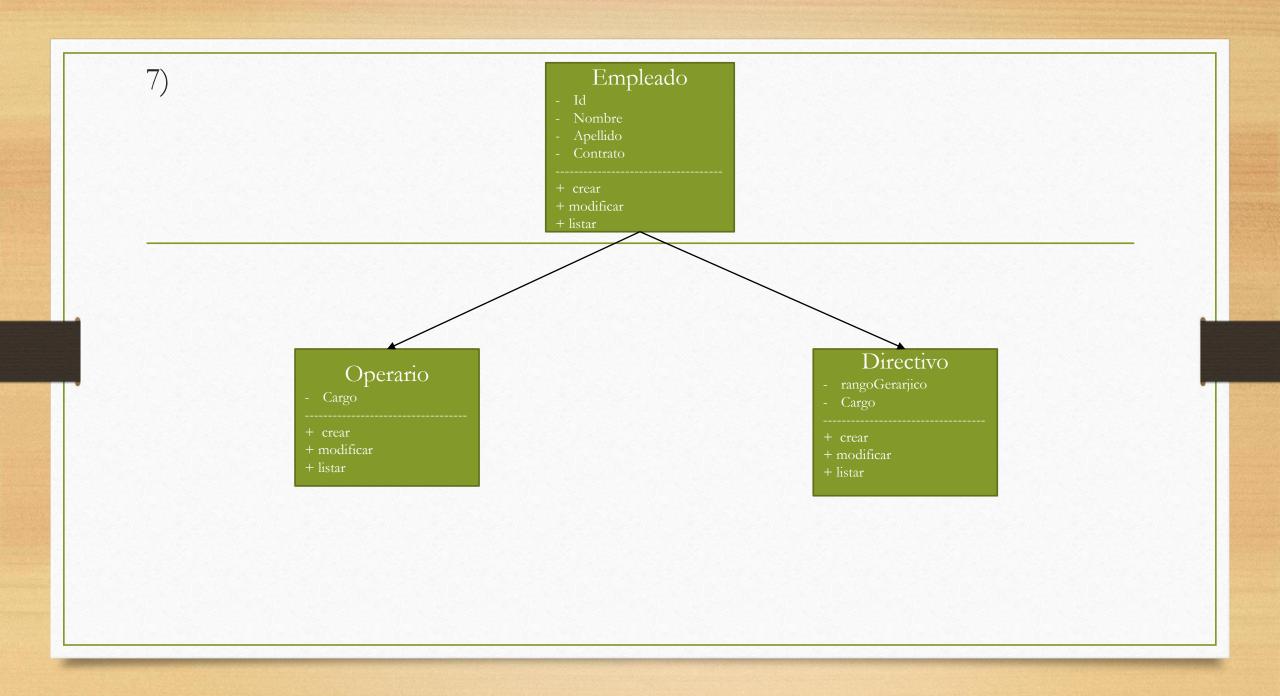


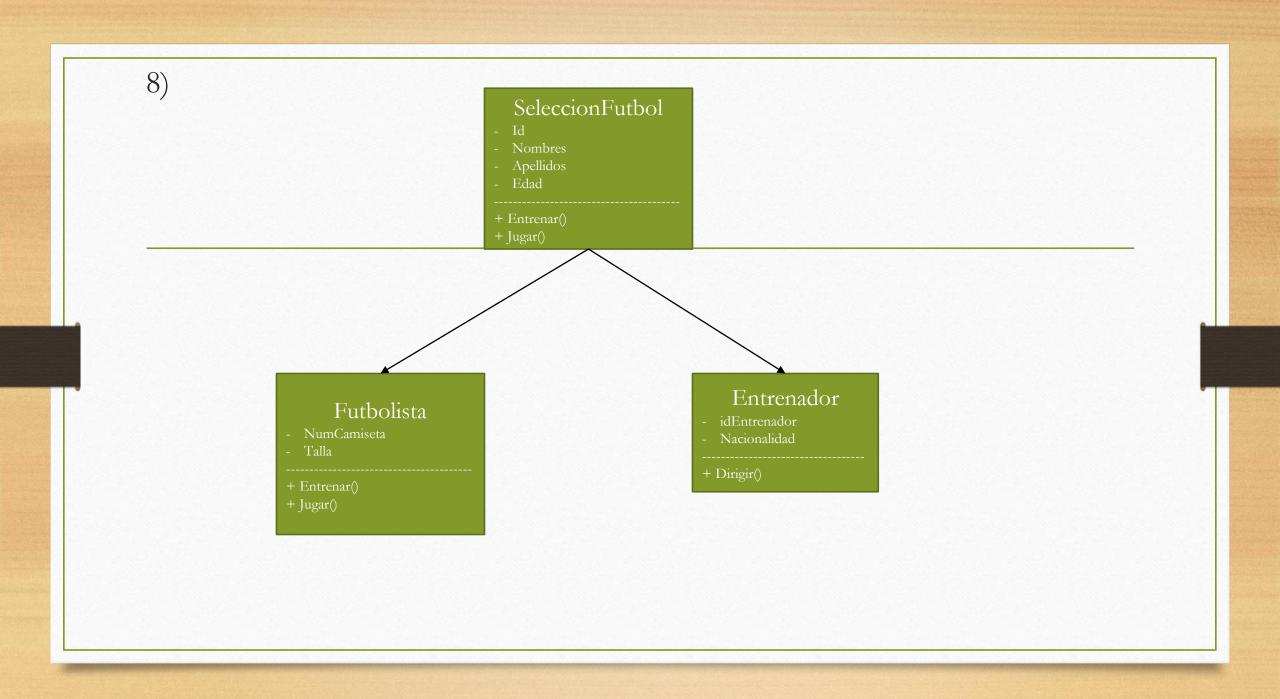


4) FiguraGeometrica NumeroLados Triangulo Cuadrado

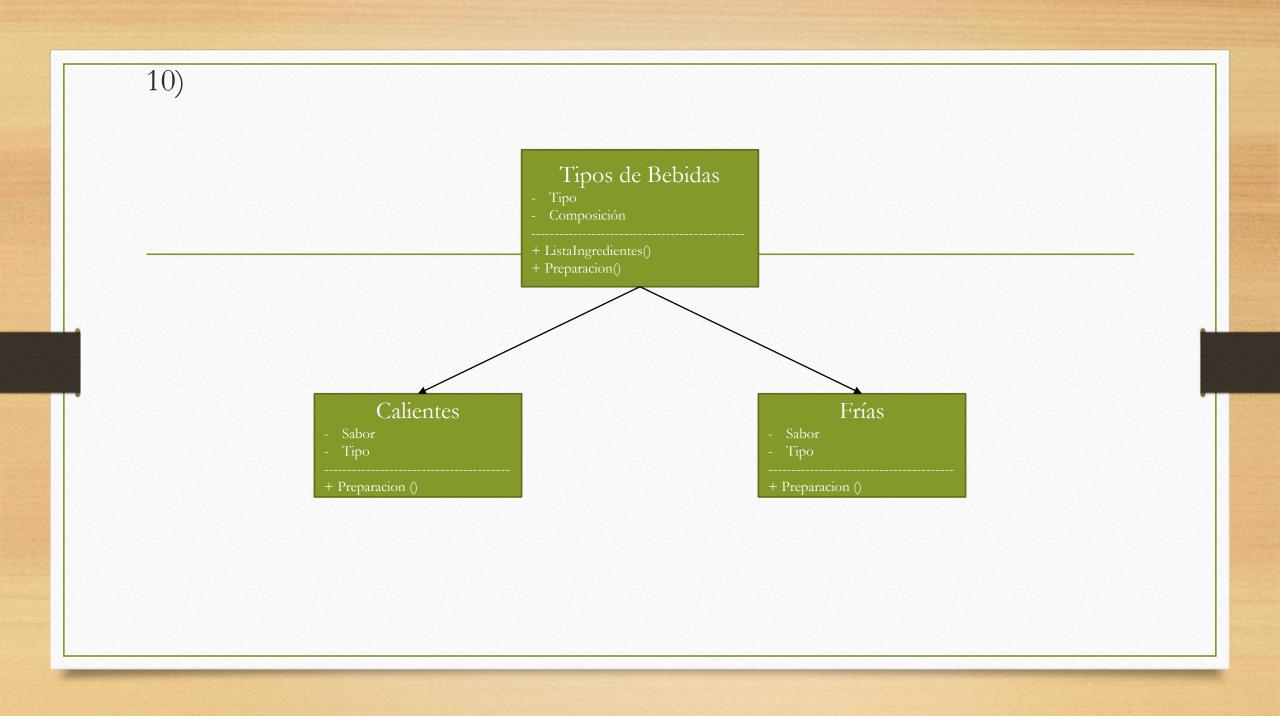








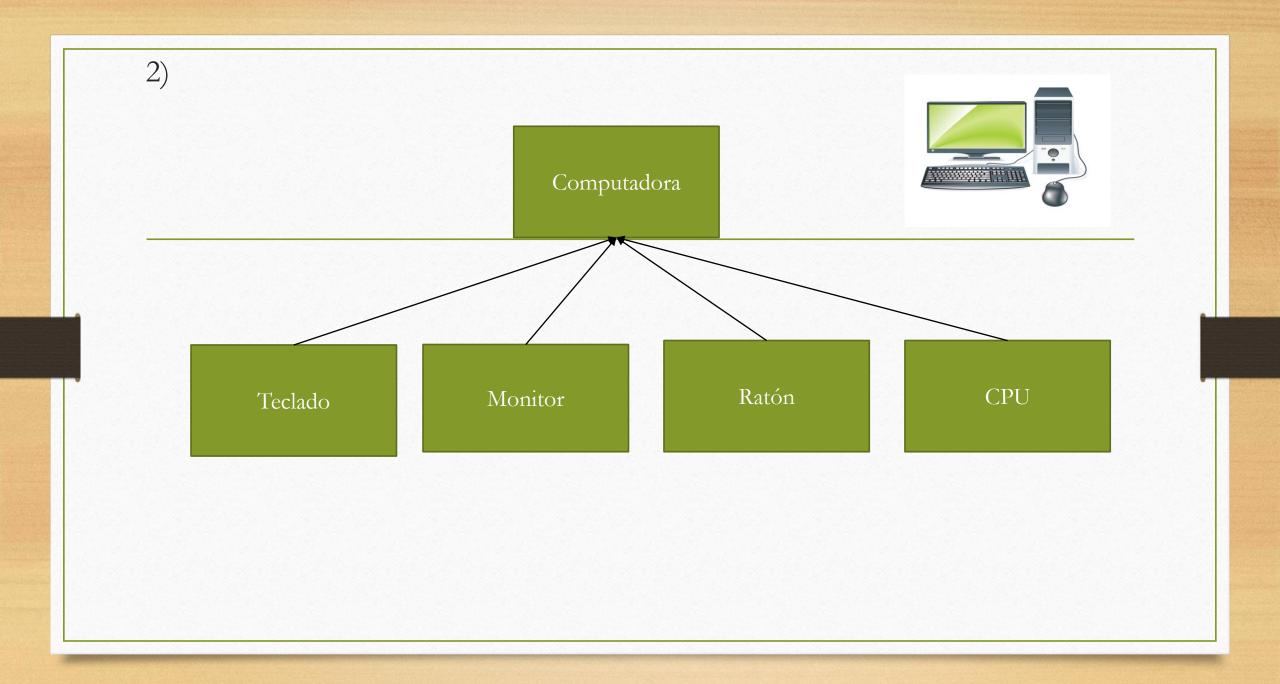
9) Vehículo Placa Autobús Taxi NumeroLlantas NumeroLlantas

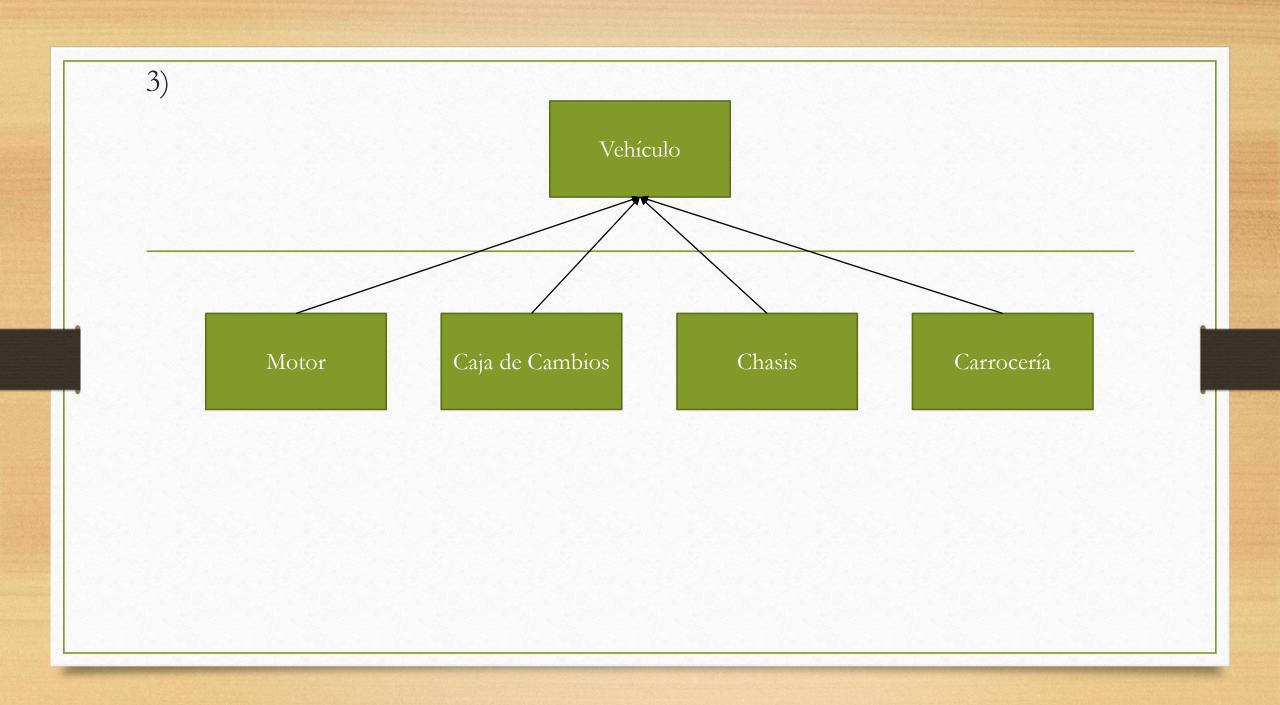


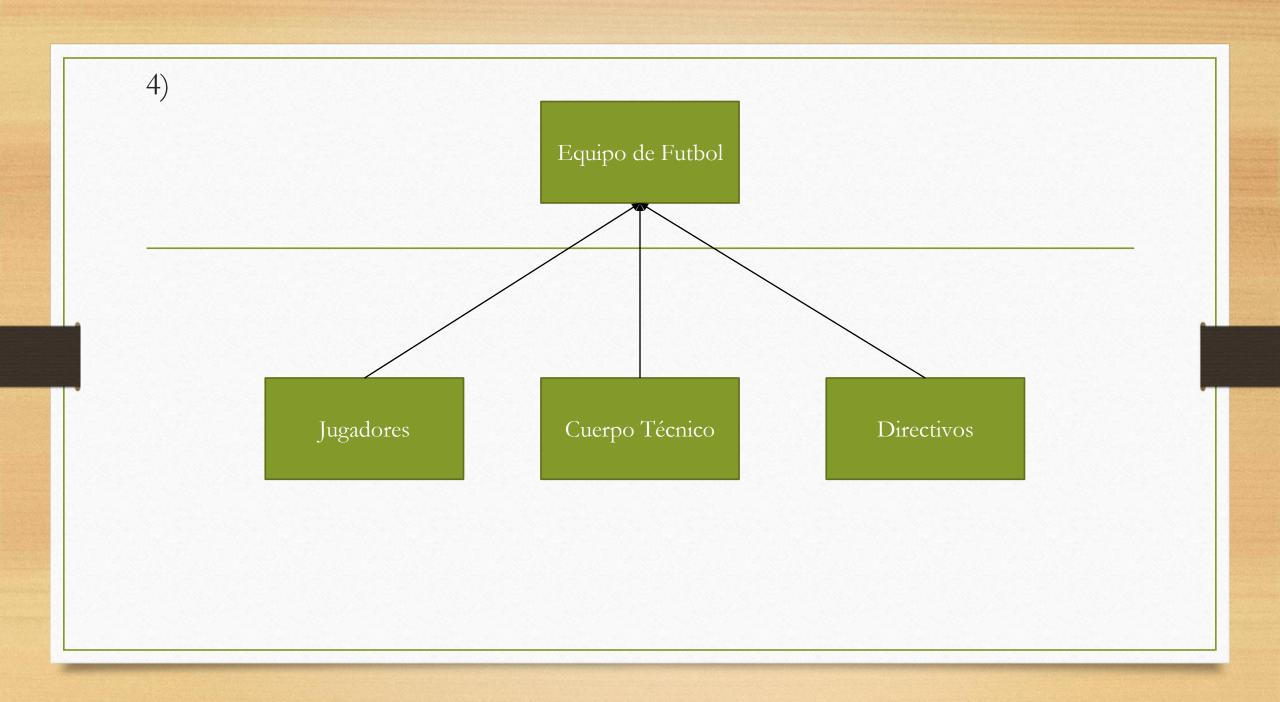
# Composición

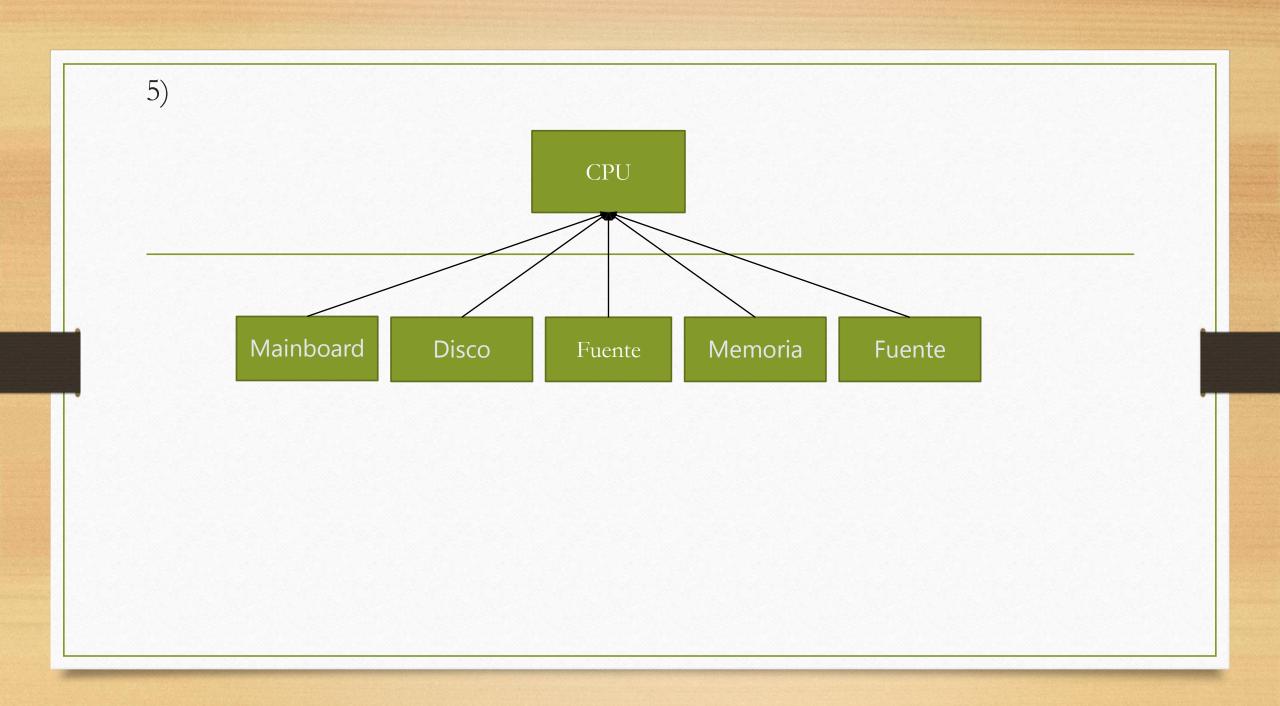
• La composición en POO nos permite utilizar objetos dentro de otros objetos y cada uno de estos esta descrito por una clase.

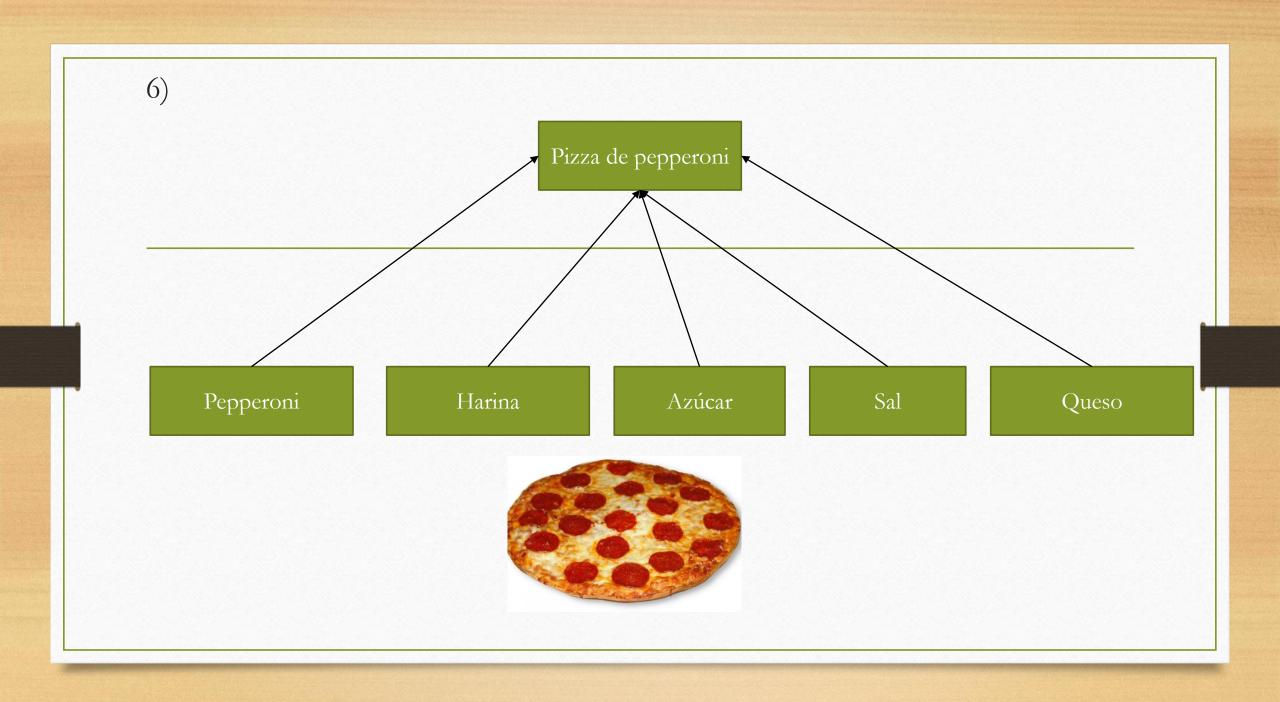
Pastel Azúcar Harina Huevos Crema

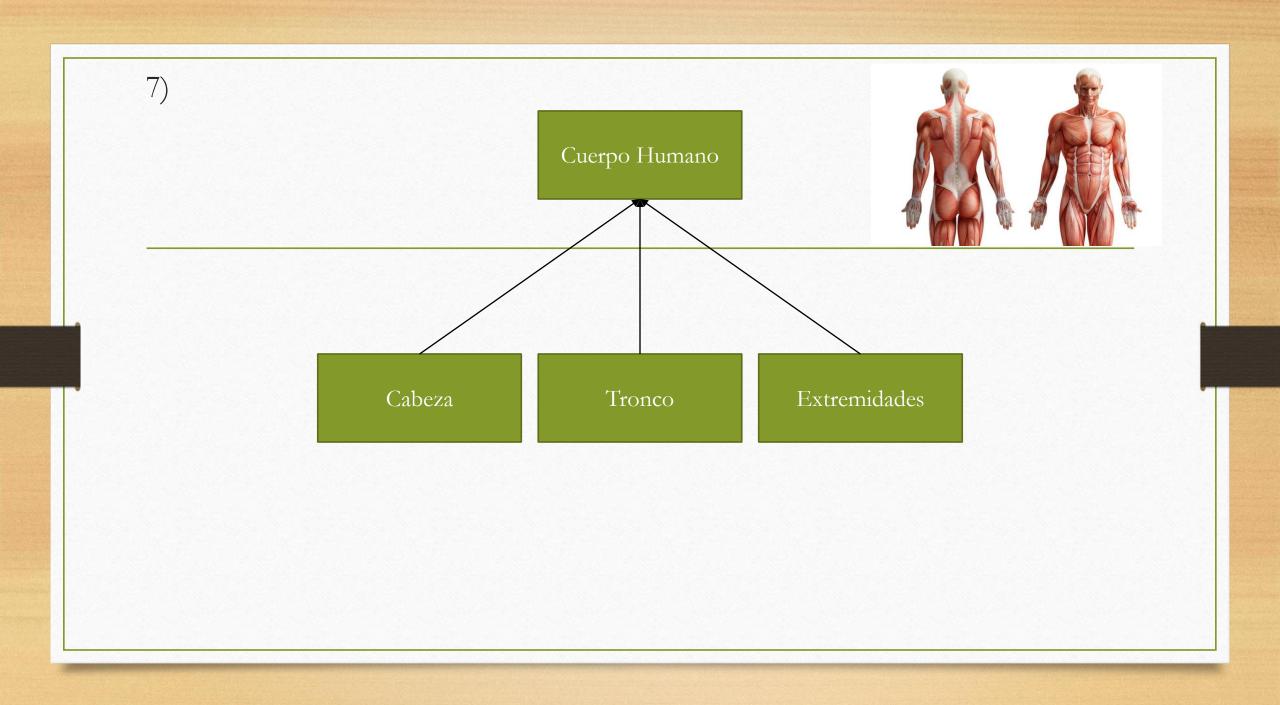


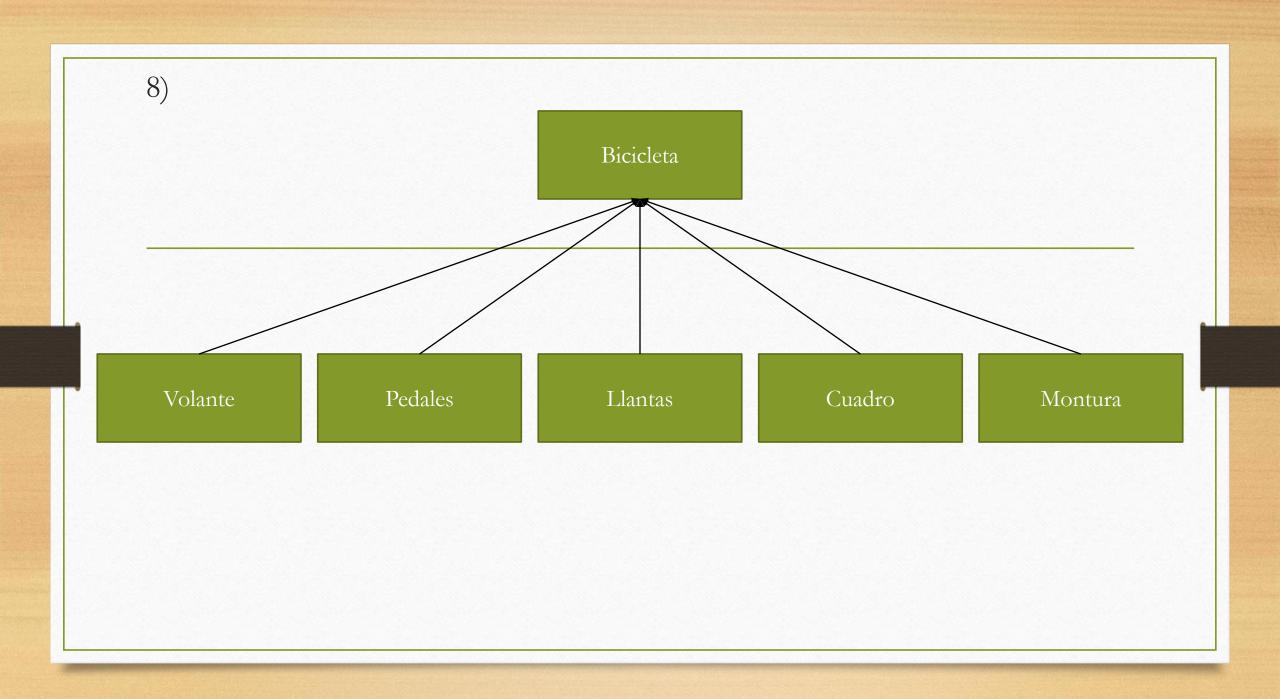


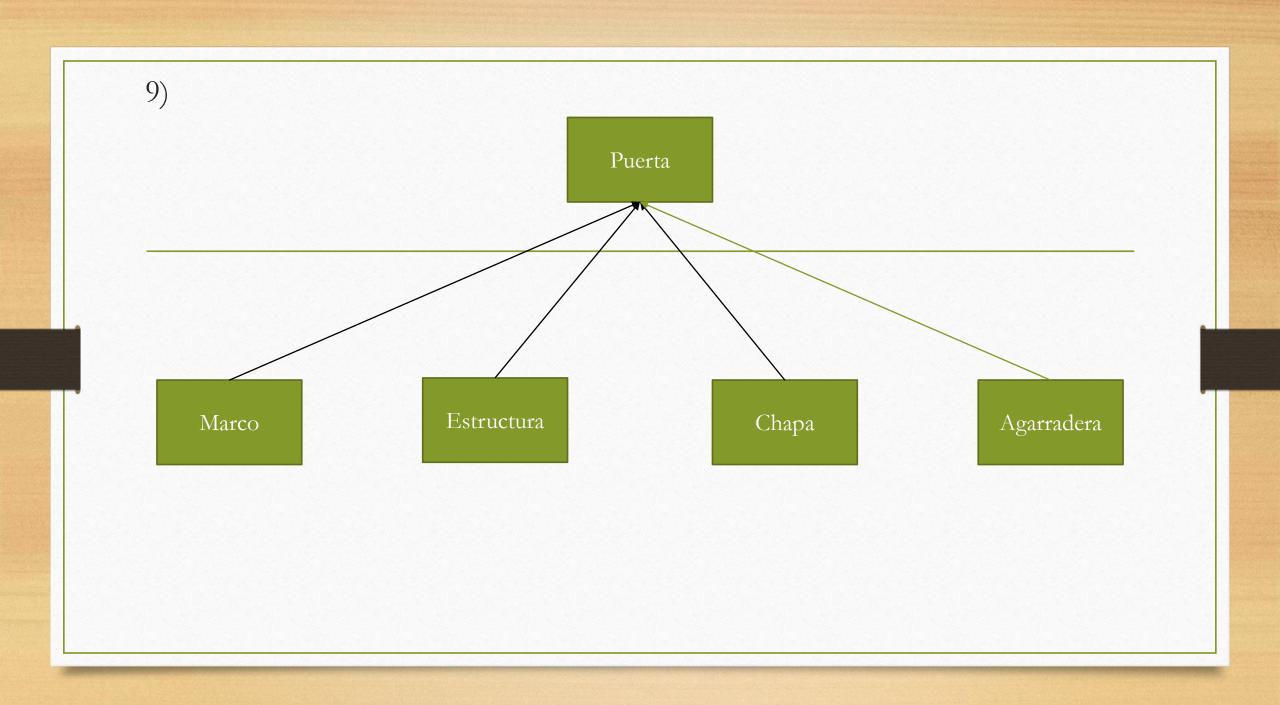


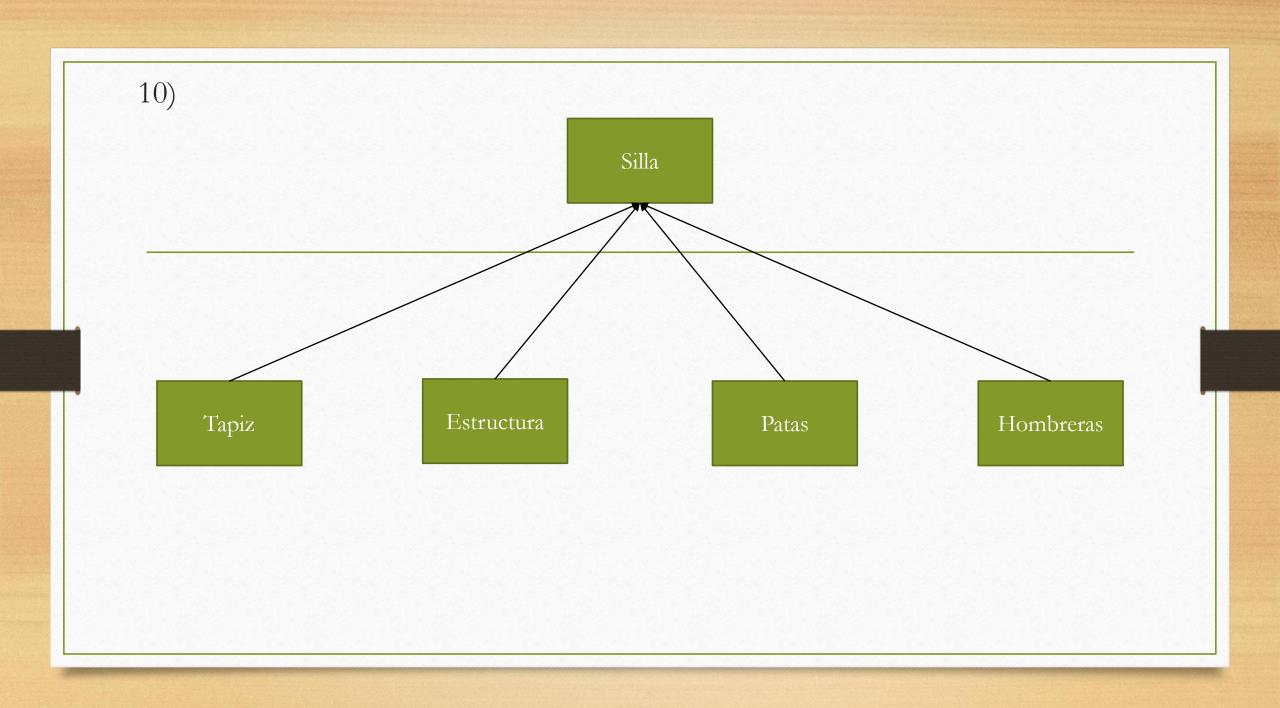






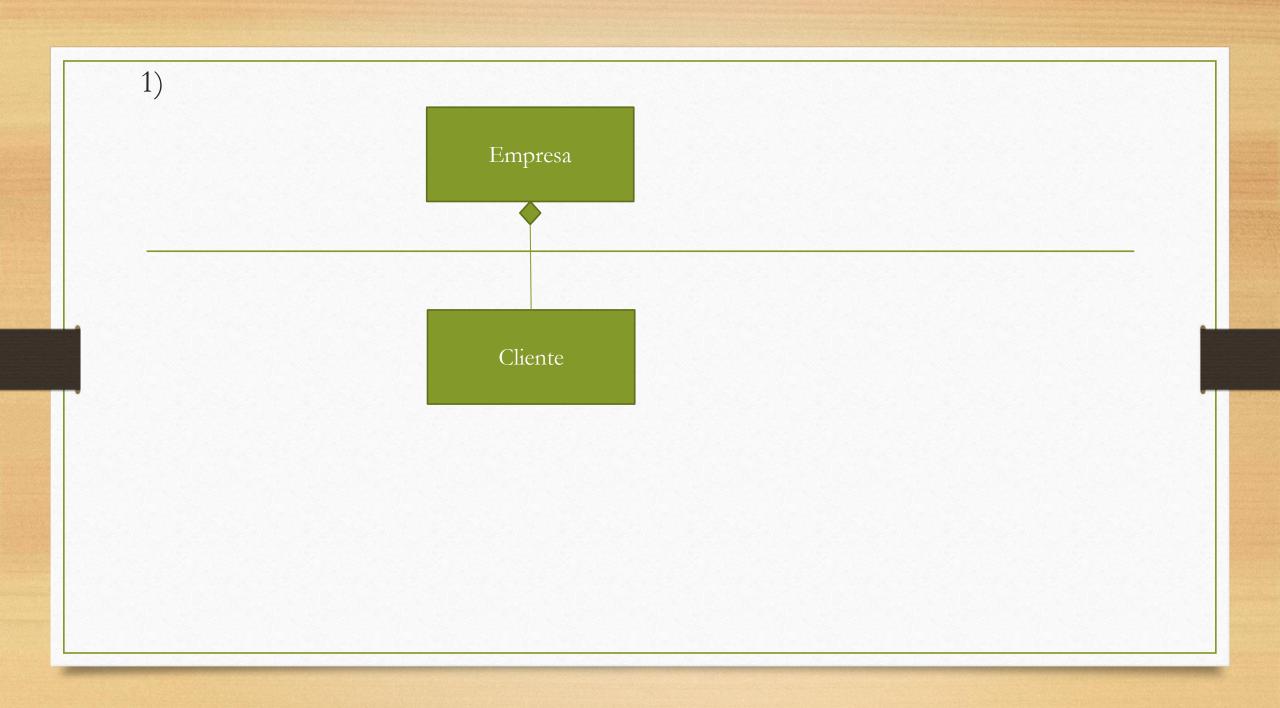


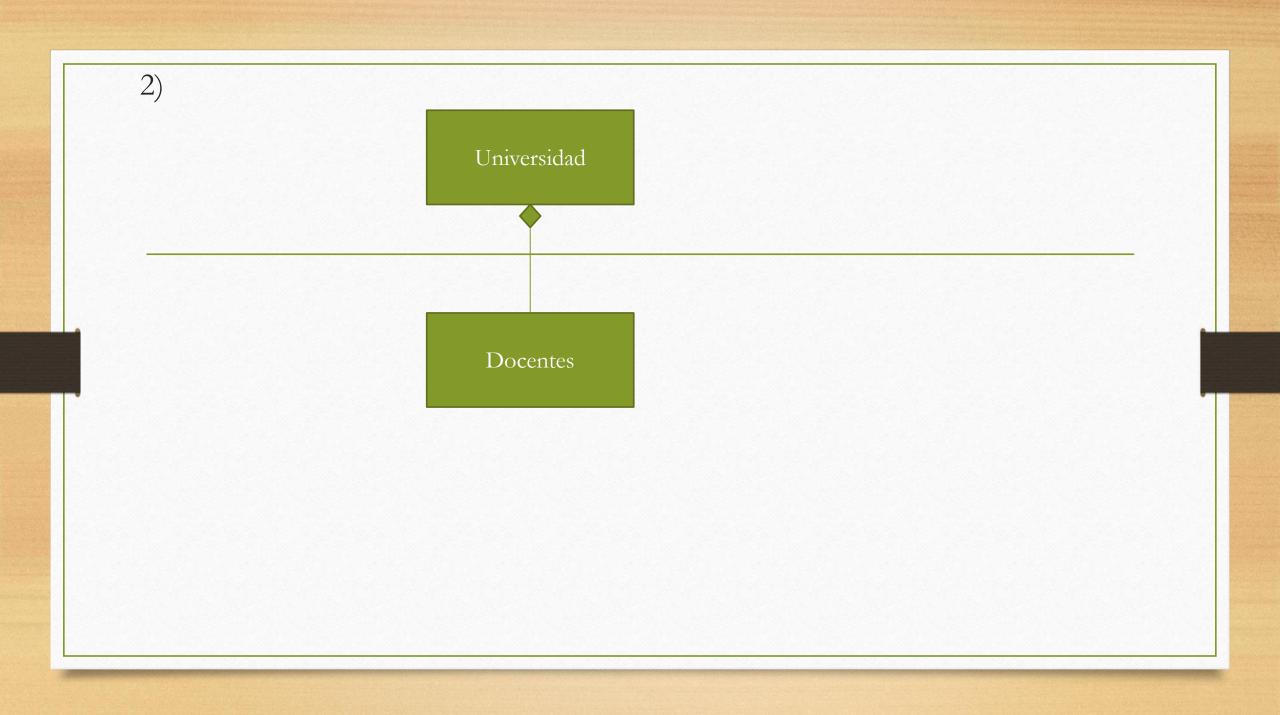


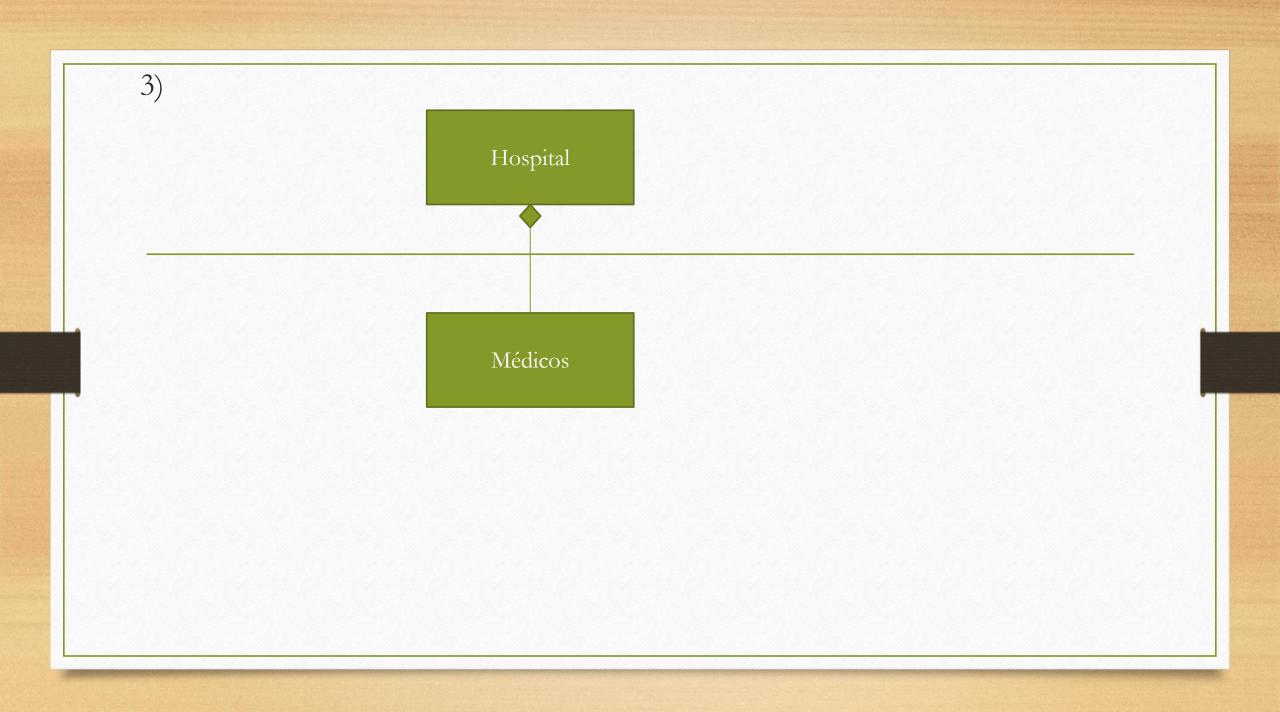


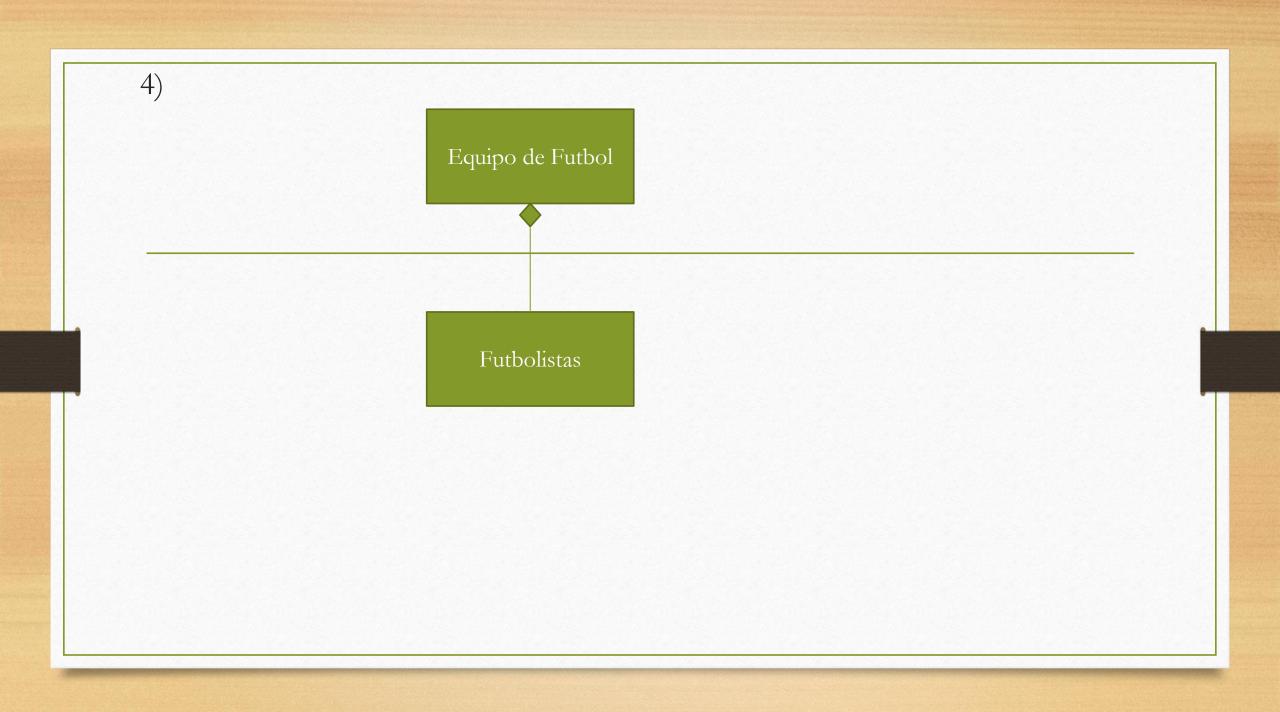
## Agregación

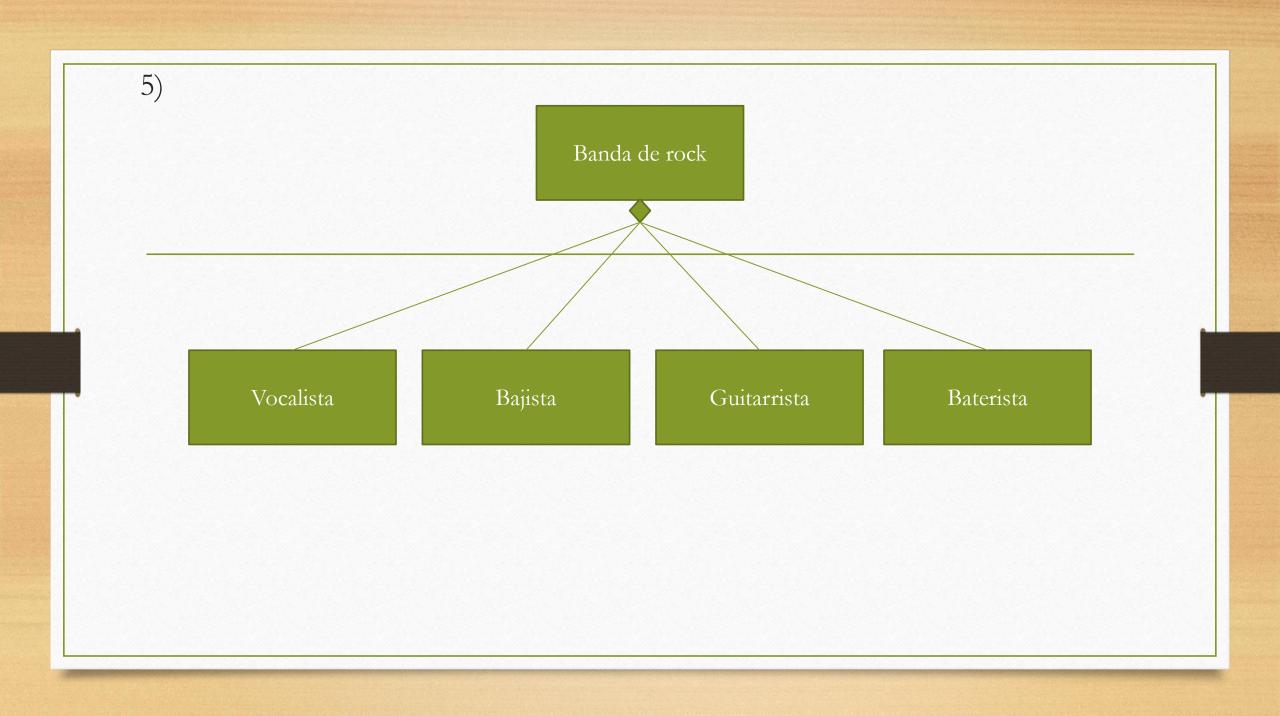
• La agregación es un tipo de asociación que indica que una clase es parte de otra clase. La destrucción del compuesto no conlleva la destrucción de los componentes.

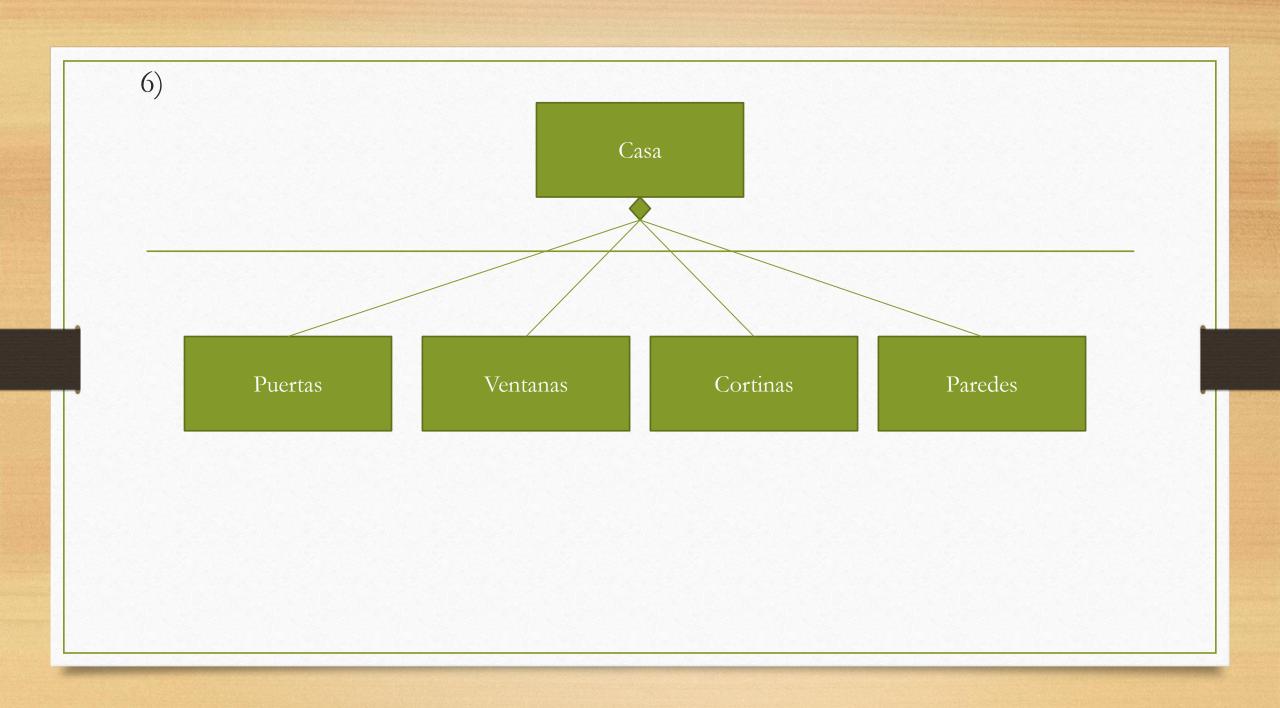


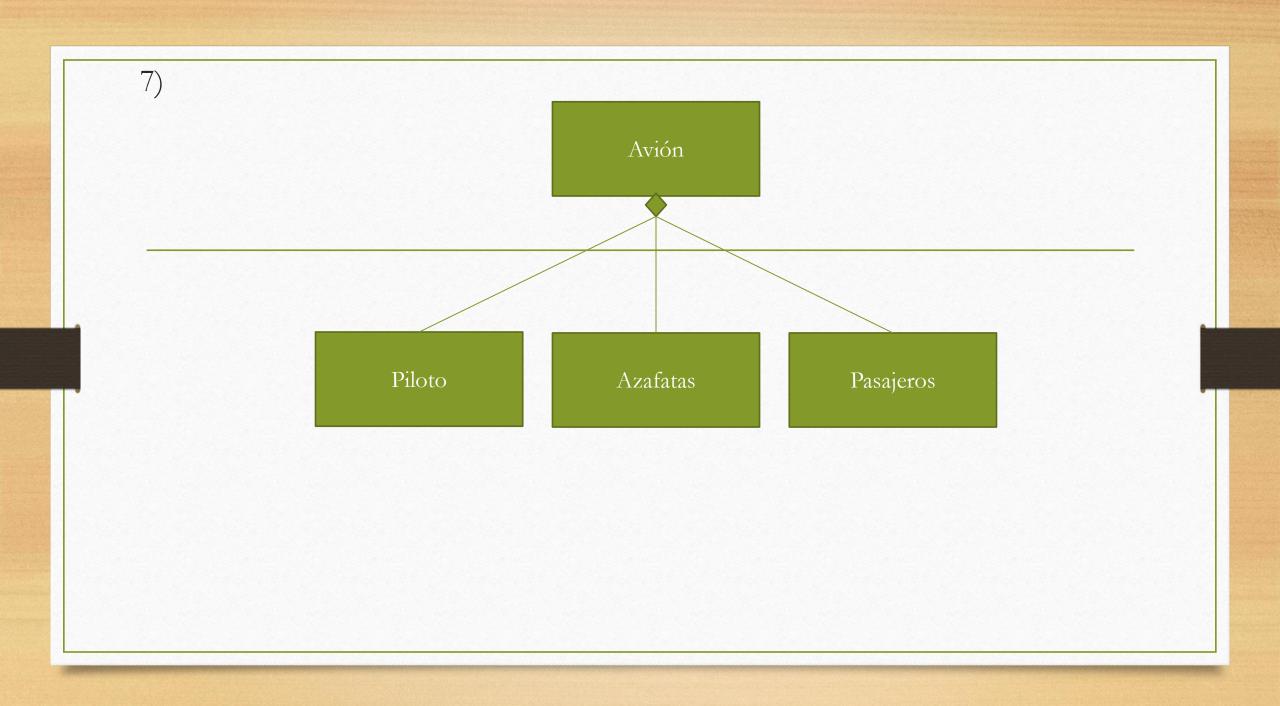


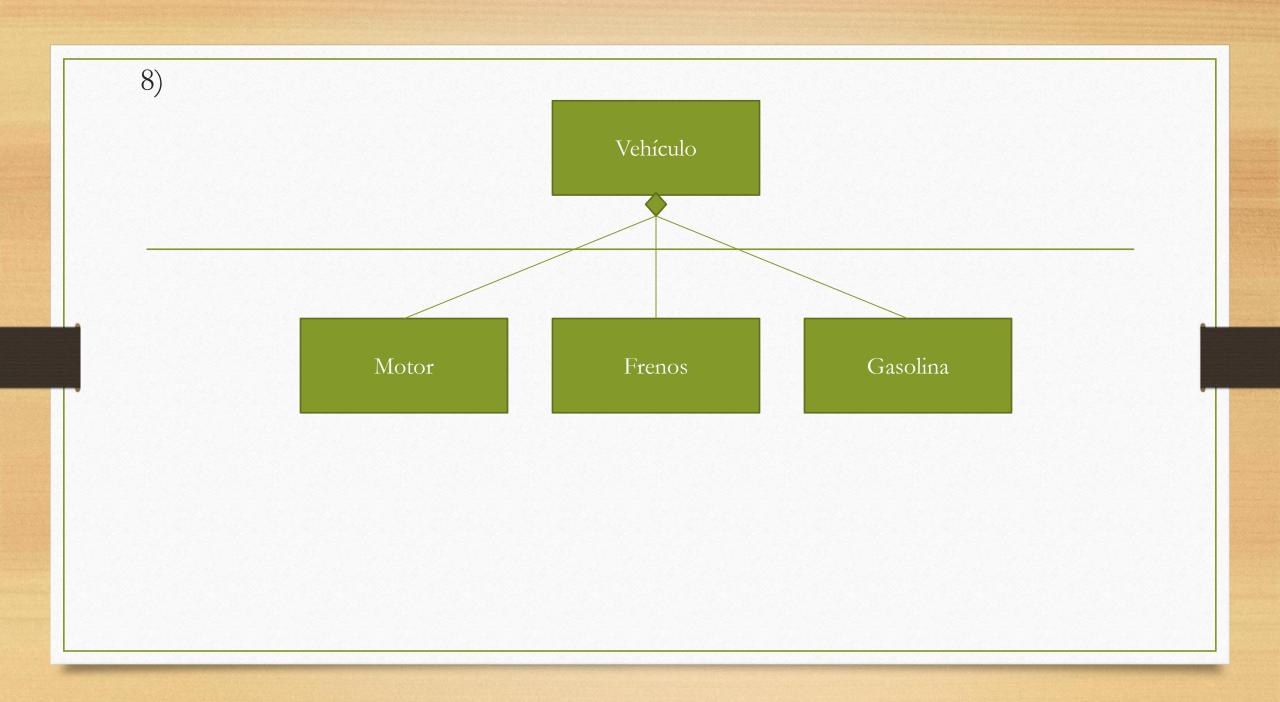


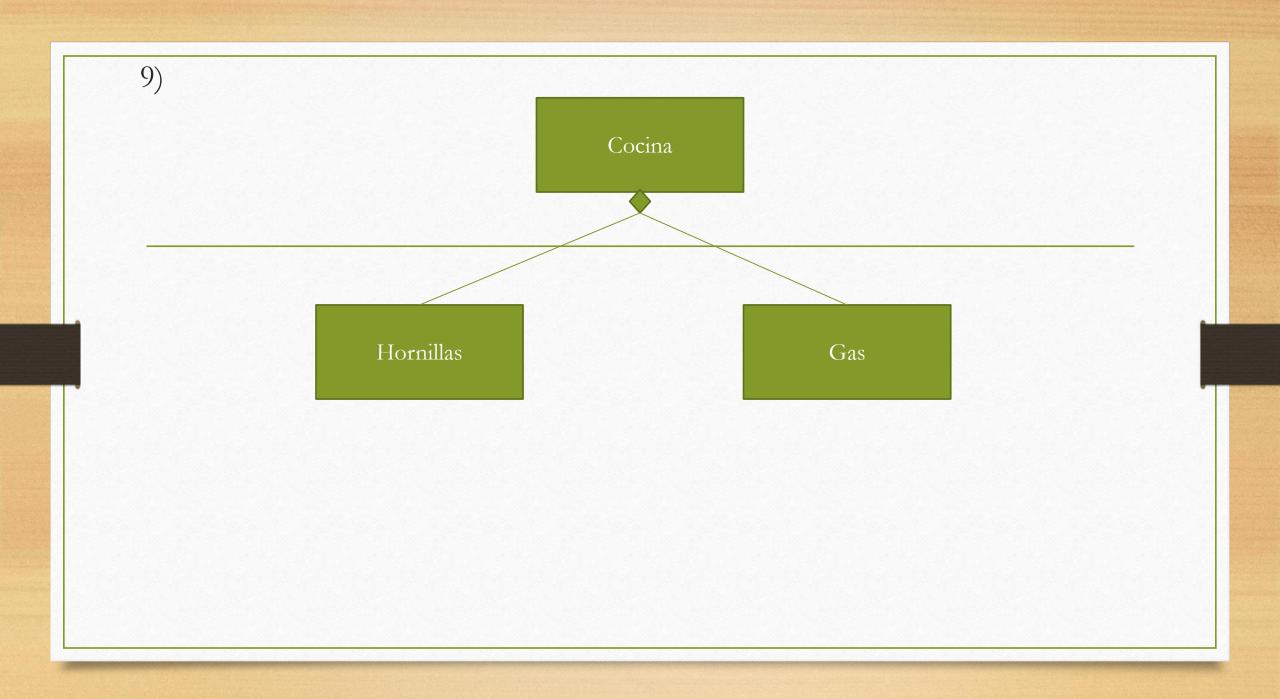


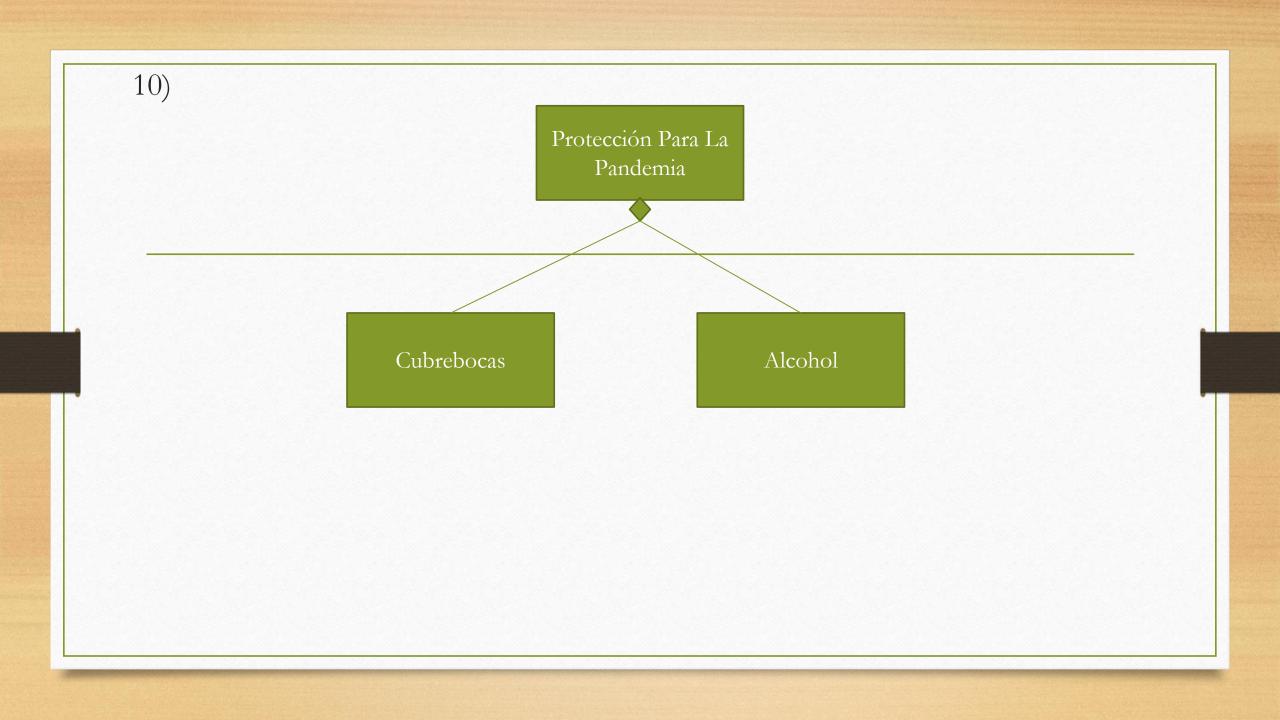








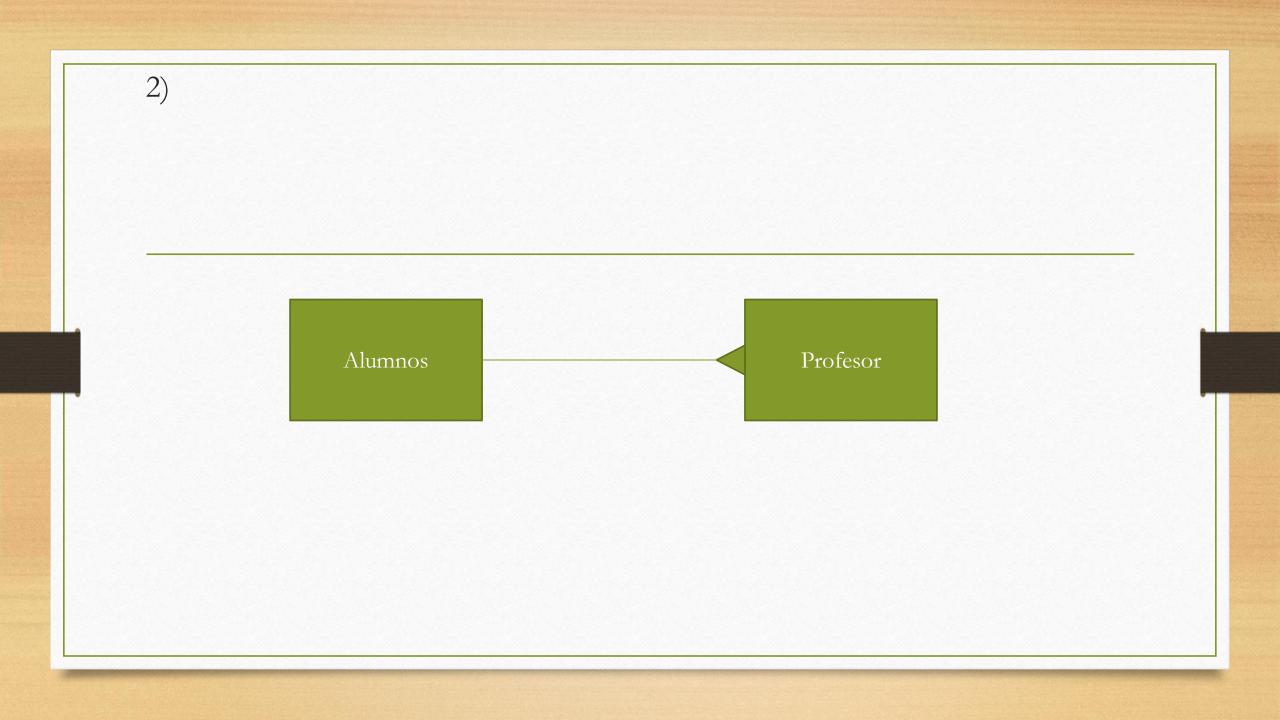




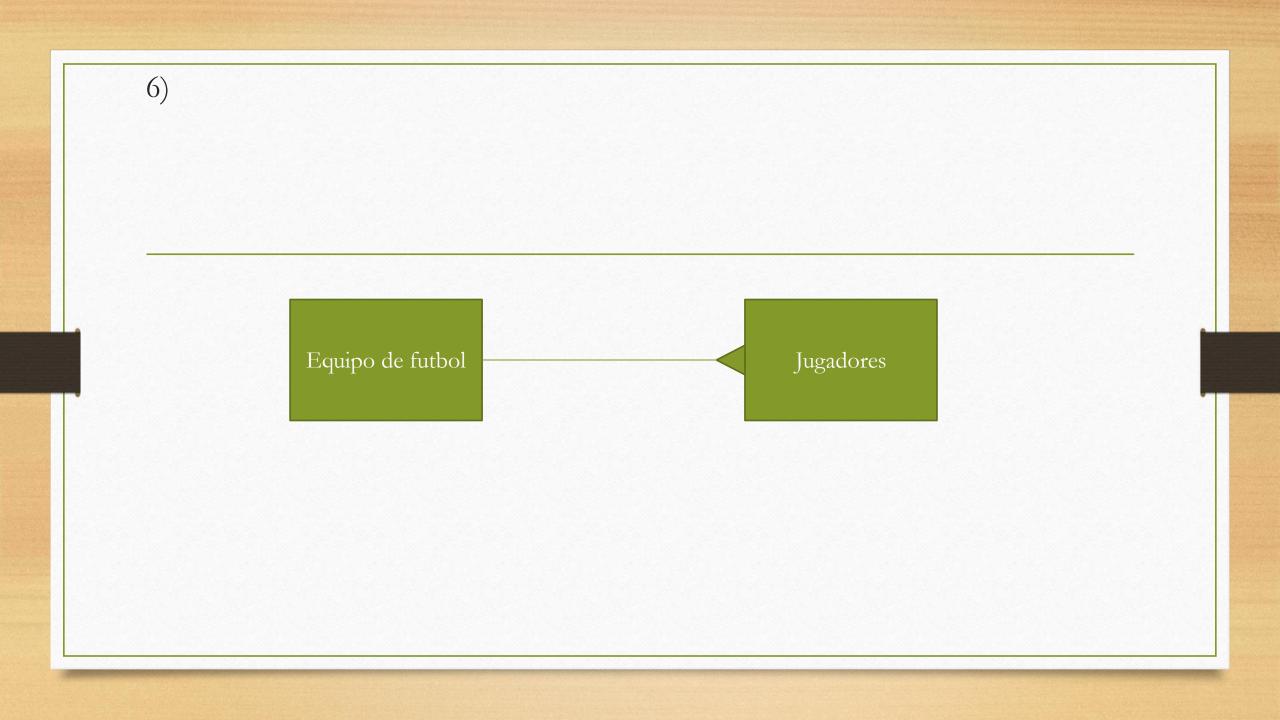
### Dependencia

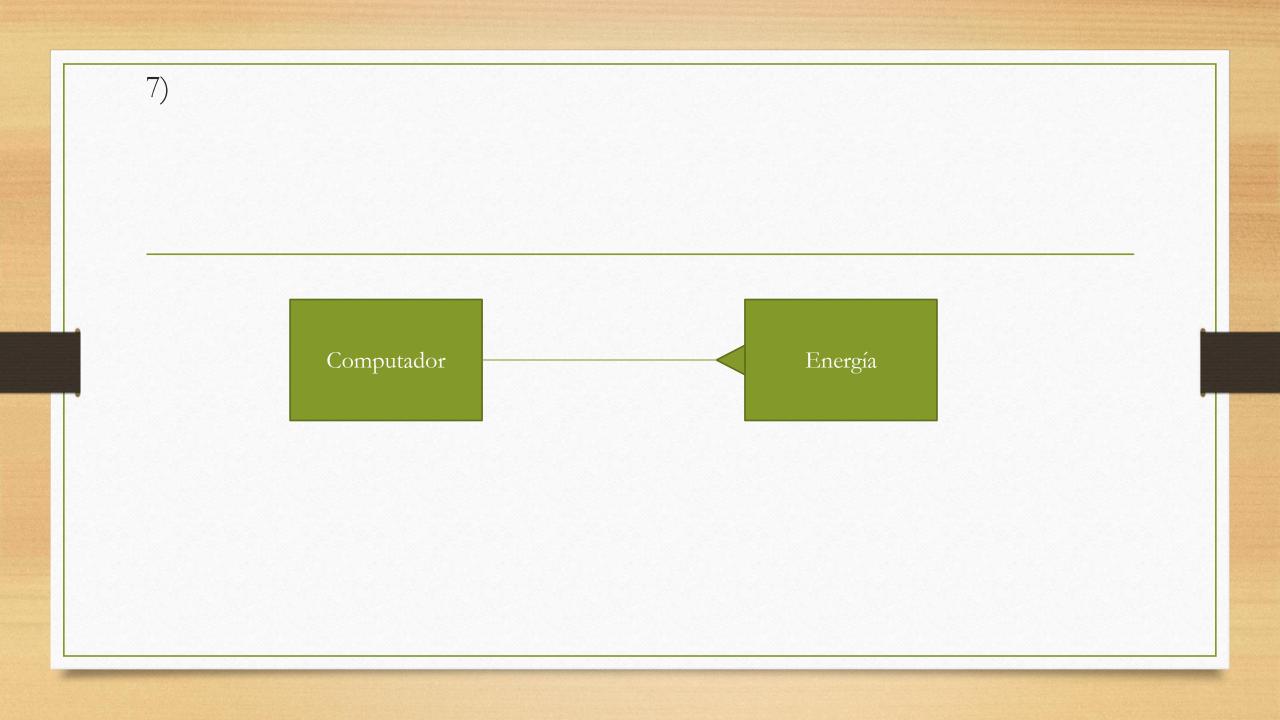
• Este nos indica la relación existente entre dos clases. Ya que una clase depende de otra para realizar su funcionamiento. Esto nos permite una mayor reutilización de nuestras clases.

1) Vehículo Combustible



3) Pacientes Doctores 4) Empleados Empresas 5) Universidad Profesores





8) Asignaturas Profesores 9) Agrupación Musical Artistas 10) Las Películas Guion